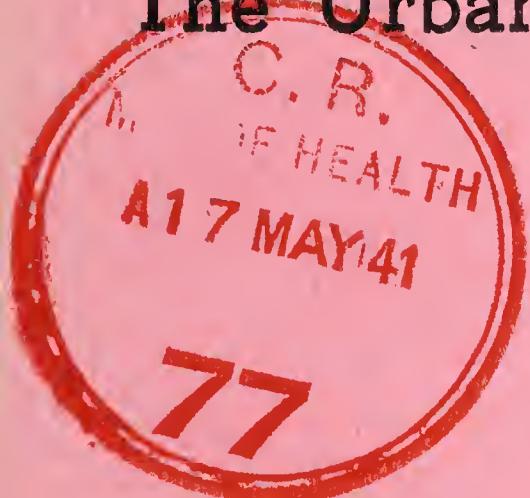


The Urban District of Litherland.



ANNUAL REPORTS

of the

Medical Officer of Health

and of the

Sanitary Inspector

For the Year 1939.

Printers:

The Regent Press (Bootle) Limited,
Irlam Road, Bootle, Liverpool 20.

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THE URBAN DISTRICT COUNCIL OF LITHERLAND.

YEAR 1939.

Chairman of the Council:

*COUNCILLOR J. EATON, J.P.

Chairman of the Health Committee:

*COUNCILLOR H. W. CUMPSTY.

Deputy Chairman of the Health Committee:

*COUNCILLOR J. EATON.

Councillors:

*J. W. ANDERSON. W. F. McGEE.

*P. T. CLUSKEY. F. OSBORNE.

*H. W. CUMPSTY. *J. L. PARRY.

J. DALEY. *A. RIMMER.

*A. DICK. E. ROBINSON.

*J. EATON. W. WALL.

*Members of the Health Committee.

Medical Officer of Health:

T. D. WILLIAMS,
M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.),

Deputy Medical Officer of Health:

H. G. ST. M. REES,
M.B., B.Ch., B.Sc., M.R.C.S., L.R.C.P.,
(Appointed 14th July, 1939.)

Sanitary Inspector:

H. HARRISON, M.R.San.I., M.S.I.A.

Clerk to the Council:

ALEX. J. HARRINGTON.

THE URBAN DISTRICT COUNCIL OF LITHERLAND.

COUNCIL OFFICES,

LITHERLAND,

4th September, 1940.

To THE CHAIRMAN AND MEMBERS
OF THE HEALTH COMMITTEE.

GENTLEMEN,

In accordance with the Regulations of the Ministry of Health I submit herewith my Annual Report upon the Health and Sanitary conditions of the District for the year ending 31st December, 1939.

The Registrar General's estimate of the population at the middle of 1939 is (a) for birth rate 19,420, (b) for death rate 19,310, which represents an increase of 140 over the figure of 1938.

The Health of the District continues to be satisfactory; the Birth Rate shows a slight increase, being 21.7 per 1,000 of the population, against 20.3 of last year.

The Death Rate is 12.5 per 1,000 of the population, as compared with last year's figure of 11.3. This shows an increase of 1.2.

The greatest number of deaths were due to Heart Disease (50); Cancer (41); Tuberculosis (22). Con. deb., Premature birth, etc. (18);

Death Rate of Infants under one year of age :—

All infants per 1,000 live births	64
Legitimate infants per 1,000 legitimate live births	60
Illegitimate infants per 1,000 illegitimate live births	222

The Zymotic Death Rate is 0.35. I have on pages 9, 13 and 28 classified the number of infectious diseases and deaths occurring in each Ward separately.

+

DIPHTHERIA IMMUNISATION.—157 cases were immunized during 1939, and 1,406 cases have been immunized since 17th May, 1935. During this time there have been 183 notifications of Diphtheria, and of these only 7 had previously been inoculated. The number of Deaths from Diphtheria during the year was 5—none of these had been inoculated.

HOUSING.—During the period under review the number of houses erected by private enterprise is 43, many of which have been sold to owner occupiers of the artisan class. Some of these have been financed by the Local Authority under the Small Dwellings Acquisition Acts, and the results have been gratifying.

A scheme for the erection of 72 houses and bungalows was approved and commenced, but has now been suspended owing to the war; the bungalows were to be built for old age pensioners.

Yours obediently,

T. D. WILLIAMS,

Medical Officer of Health.

It will be seen that the above Report is signed by the late Dr. T. D. Williams, whose untimely death occurred in January, 1940.

I have taken this opportunity to add this short note of appreciation.

Dr. Williams had been Medical Officer of Health for 26 years and during that time had seen a vast increase in the area under his control and in Public Health work. As a part-time Medical Officer of Health he had many opportunities for seeing the results of Public Health administration in the lives and health of his patients.

He was always foremost in supporting schemes for the prevention and alleviation of illness. The latter months of his life were greatly occupied with A.R.P. work, in which he never spared himself, and his activities in this district will be gratefully remembered for many years.

H. G. ST. M. REES,

Deputy Medical Officer of Health.

The Urban District Council of Litherland.

ANNUAL REPORT

OF THE

Medical Officer of Health.

1939.

4th September, 1940.

The Urban District of Litherland is situated five miles from Liverpool, in a Northerly direction; it is bounded on the North by the West Lancashire Rural District, on the South and East by the County Borough of Bootle, and on the West by the Borough of Crosby.

The district is divided by the Leeds and Liverpool Canal. Manufacturing, and artisan dwellings occupy the whole of the South side of the district, the North being mainly of a residential and agricultural character.

The height of the district above Ordnance Datum varies from 22.7 to 91.1 feet. Geologically the subsoil consists of clay, peat and sandstone.

Rateable Value of District at 1st April, 1939 ...	£103,995
General Rate, 1939/40	13/10
1d. in the £ yields approximately	£420

STATISTICAL SUMMARY.

Area in Acres	857
Population Estimated (Mid 1939)—	
(a) for birth rate	19,420
(b) for death rate	19,310
Number of Houses in District on Rate Books ...	5,227
Number of Persons per House	3.7
Birth Rate per 1,000 estimated resident population (Mid 1939)	21.7
Death Rate per 1,000	12.5
Infantile Mortality per 1,000 births	64
Deaths from Measles (all ages)	Nil
Deaths from Whooping Cough (all ages) ...	1
Deaths from Diarrhoea (under 2 years of age) ...	3
Death Rate from Tuberculosis Respiratory System per 1,000	0.98
Deaths from puerperal causes	Nil

PRECEDING CENSUS POPULATION.

1891 4,441	1921 16,384
1901 10,592	1931 15,987
1911 14,792	

The "Natural Increase" or excess of Births over Deaths during 1939 was 179, as compared with 176 in 1938, 180 in 1937, 139 in 1936, 147 in 1935, 146 in 1934, 74 in 1933, 124 in 1932.

BIRTHS.

The number of children born in the District during 1939 was 422—226 males and 196 females.

The Birth Rate is 21.7 per 1,000 of the population.

TABLE OF BIRTH RATES

Year	Rate per 1000	Year	Rate per 1000
1939	21.7	1934	19.5
1938	20.3	1933	18.1
1937	20.6	1932	18.5
1936	19.3	1931	20.0
1935	20.1	1930	15.4
The Birth Rate for England and Wales	...	...	15.0

DEATHS.

The total number of deaths during the year 1939 was 243. 129 males and 114 females, an increase of 24, and equal to a Death Rate of 12.5 per 1,000 of the population.

TABLE OF DEATH RATES.

Year	Rate per 1000	Year	Rate per 1000
1939	12.5	1934	10.8
1938	11.3	1933	13.6
1937	11.1	1932	11.0
1936	11.7	1931	12.9
1935	11.5	1930	11.6
The Death Rate for England and Wales	...	...	12.1
The Death Rate for Litherland Residents registered in the District is	...	...	12.5
135 Deaths of Litherland Residents occurred outside the District.			

The age periods of the Deaths were ;—

Year	Under 1 year	1 and under 2 years	2 and under 5 years	5 and under 15 years	15 and under 25 years	25 and under 45 years	45 and under 65 years	65 years and upwards
1939	27	4	1	9	7	23	72	100
1938	22	4	3	5	8	21	58	96
1937	21	6	3	6	10	29	54	81
1936	23	3	5	6	9	27	62	78
1935	27	3	3	7	8	17	48	84
1934	19	8	10	7	6	22	59	52
1933	28	3	9	10	17	28	65	67
1932	18	6	8	8	12	16	51	65
1931	21	8	11	8	13	22	53	73
1930	21	5	4	9	13	21	62	58

INFANTILE MORTALITY.

During the year 27 children died, who, at the time of their death, had not reached the age of one year.

This gives an Infantile Mortality Rate of 64 per 1,000 births.

TABLE OF INFANTILE MORTALITY.

Year	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Death Rate per 1000
1939.....	7	7	8	5	27	64
1938.....	6	6	4	4	20	50
1937.....	7	4	4	6	21	53
1936.....	8	2	6	7	23	65
1935.....	6	6	3	12	27	78
1934.....	2	6	5	6	19	57
1933.....	8	8	5	7	28	93
1932.....	7	5	2	4	18	58
1931.....	6	6	1	8	21	65
1930.....	4	6	5	6	21	82

TABLE OF ZYMOTIC DEATHS.

Year	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Smallpox...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	...	1	...	...	...	2	...	1	2
Diphtheria	...	5	3	1	2	5	6	2	8	6
Measles ...	...	...	1	3	...	3	6	1	...	4
Whooping Cough	1	1	1	...	...	...	3	5	1	1
Typhoid & Para-typhoid Fever	...	1	...	...	...	...	...	1	...	...
Puerperal Fevers	...	...	1	3	2	1	2	...	2	1
Encephal Leth.	1	2	...	...	2	2	...	1	1	...
C'bro-Spinal Fever	...	...	...	...	1	...	1	...	...	...

ZYMOTIC DEATH RATE.

Year	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Zymotic Death Rate	...	0.35	0.46	0.31	0.27	0.76	1.00	0.54	0.96	0.54

There were three deaths from Diarrhoeal Diseases under the age of 2 years.

INFECTIOUS DISEASES.

202 cases of Infectious Disease were notified during the year.

	CASES NOTIFIED.									
	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Smallpox...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever	...	74	64	38	40	17	55	143	67	60
Diphtheria & Mem. Croup	87	37	23	14	45	38	23	83	51	57
Typhoid & Paratyphoid Fever	...	1	...	...	1	1	2	1	1	...
Erysipelas	...	10	6	8	17	9	13	14	9	14
Puerperal Fever...	...	...	...	...	...	...	...	...	1	3
,, Pyrexia	...	4	5	2	4	...	4	10	8	2
Cerebro Spinal Fever	...	...	...	...	...	...	...	1	...	1
Poliomyelitis	...	...	...	1	...	...	...	1	...	...
Ophthalmia Neonatorum	3	...	5	3	...	2	4	5	4	...
ACUTE PRIMARY PNEUMONIA INFLUENZAL PNEUMONIA	21	27	27	36	23	35	55	24	31	6
Anthrax	...	...	...	...	...	...	...	...	...	2
Encephal Leth.	...	...	...	...	...	1	...	...	...	...
Malaria	...	...	...	...	1	...	1	1	...	1
Polio-Encephalitis	...	...	...	...	...	...	1	1	...	1
Measles	...	2	...	...	...	...	...	...	...	...
Whooping Cough	...	1	...	...	...	...	...	...	...	...
	202	140	104	114	96	149	254	200	154	148

INFECTIOUS DISEASES.

	CASES REMOVED TO HOSPITAL									
	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Smallpox...
Scarlet Fever	...	50	52	31	32	11	46	124	59	52
Diphtheria	...	103	49	36	21	45	38	22	83	50
Typhoid and Para- typhoid Fever	...	1	2	1	...	1	1	2	1	1
Puerperal Pyrexia	...	2	1	3	...	4	8	3	2	4
Erysipelas	...	4	1	6	15	3	4	8	7	1
Cerebro-spinal Fever	1	...	1	...
Ophthalmia Neonatorum	1	...	...	...	1	1	...	...
Poliomyelitis	1	...	...
Anthrax	2
Encephal Leth.	1	...	...	...	...
Malaria	1
Polio-Encephalitis	1
Acute Pneumonia	...	3	...	...	...	...	...	...	...	...
	158	109	76	71	60	94	166	155	107	121

A number of cases were removed to hospital as Diphtheria and later certified as Tonsilitis or not infectious disease and were removed from the register.

TUBERCULOSIS.

There were 29 cases of Respiratory and 9 cases of Non-Respiratory Tuberculosis notified.

	1939	1938	1937	1936	1935	1934	1933	1932	1931	1930
Cases Notified ...	38	30	37	39	39	37	46	37	54	49
Deaths ...	22	16	21	19	13	19	27	19	28	17
DEATH RATE FROM TUBERCULOSIS OF THE RESPIRATORY SYSTEM }	0.98	0.57	0.95	0.93	0.46	1.13	1.44	0.96	1.24	0.87

The total number of Infectious Diseases notified in the separate Wards are as follow :—

	North	South	East	West	TOTAL
Smallpox ...	...	...	...	...	...
Scarlet Fever ...	15	26	15	18	74
Diphtheria & Mem. Croup	13	29	27	18	87
Typhoid & Para-typhoid...	...	...	...	...	...
Measles ...	...	1	...	1	2
Erysipelas ...	...	4	4	2	10
Puerperal Pyrexia	...	2	1	1	4
Cerebro Spinal Fever	...	...	...	...	...
Poliomyelitis ...	...	...	...	...	...
Ophthalmia Neonatorum...	...	3	...	...	3
Acute Primary Pneumonia	6	11	3	1	21
Influenzal Pneumonia ...					
Whooping Cough ...	...	...	1	...	1
Encephalitis Lethargica ...	...	...	...	...	...
Malaria ...	...	...	...	...	...
Polio-Encephalitis...	...	...	...	...	...
TOTALS ...	34	76	51	41	202

PARTICULARS TO BE INCLUDED IN THE
 ANNUAL REPORT OF THE MEDICAL OFFICER OF
 HEALTH FOR THE YEAR 1939.

The following Tables are given as requested by the
 Ministry of Health.

1.—Statistics and Social Conditions of the Area.

Area in acres	...	...	...	...	...	...	857
Population—Census, 1931	...	...	...	...	...	...	15,987
Estimated, 1939	(a) for Birth rate	...	...	...	...	...	19,420
(b) for Death rates	...	...	...	...	...	...	19,310
No. of inhabited houses (Census, 1931)	...	...	...	...	...	...	3,464
„ „ „ on Rate Books, Dec., 1939	...	...	...	...	...	...	5,227
Rateable value	...	...	...	...	...	...	£103,995
Sum represented by a penny rate	...	...	...	...	...	...	£420
Social conditions, including the chief occupations of the inhabitants :—							

The following works in the District find employment for approximately 3,649 persons, although a large number reside outside the Litherland Area :—Messrs. Bryant & May's Match Factory; Liverpool, Litherland and Sefton Tanning Companies; Messrs. Lewis's, Clothiers; North Western Rubber Co.; Johnson Bros., Dyers; Diamond Laundry Co.; Braby & Co., Engineers; Nor West Construction Co.; Richmond Sausage Co.; Collinson's Cut Soles Factory; Burleys' Turning Mills; W. & F. Walker, Soap and Disinfectant Manufacturers; Brotherton & Co., Tar Distillers; Gardner's Printing Works; British Tin Smelting Co.

There is no special report to make on the influence of any particular occupation on public health.

UNEMPLOYMENT.—There are no separate figures at the Labour Exchange as to the extent of the unemployment in the district.

EXTRACTS FROM VITAL STATISTICS FOR THE YEAR.

	Total	M.	F.	Per 1000 of Population
Live Births :—				
Legitimate ...	413	222	191	Birth
Illegitimate ...	9	4	5	Rate—21.7
Total ...	422	226	196	Total ^(LIVE AND STILL) Births—40
Still-Births ...	18	9	9	Death
Deaths ...	243	129	114	Rate—12.5

Deaths from Puerperal causes :—

		Deaths.	Births.	Death Rate per 1,000 Total (Live and Still)
Puerperal Sepsis	Nil	Nil
Other Puerperal causes	Nil	Nil
Total	Nil	Nil

Death Rate of Infants under one year of age :—

All Infants per 1,000 live births	...	...	...	64
Legitimate Infants per 1,000 legitimate live births	...	...	...	60
Illegitimate Infants per 1,000 illegitimate live births	...	...	...	222
Deaths from Cancer (all ages)	...	...	...	41
Deaths from Measles (all ages)	...	...	...	Nil
Deaths from Whooping Cough (all ages)	...	...	...	1
Deaths from Diarrhœa (under 2 years)	...	...	...	3

CAUSES OF DEATH IN LITHERLAND URBAN DISTRICT, 1939.

	<i>Causes of Death.</i>				<i>M.</i>	<i>F.</i>	
					129	—	114
1.	Typhoid and Paratyphoid Fevers	...	—	—	...	—	—
2.	Measles	...	...	...	—	...	—
3.	Scarlet Fever	...	...	...	—	...	—
4.	Whooping Cough	...	...	...	—	...	1
5.	Diphtheria	...	...	...	1	...	4
6.	Influenza	...	...	...	3	...	2
7.	Encephalitis Lethargica	...	...	...	1	...	—
8.	Cerebro-spinal Fever	...	...	...	—	...	—
9.	Tuberculosis of Respiratory System	...	...	...	10	...	9
10.	Other Tuberculosis Diseases	...	...	2	...	...	1
11.	Syphilis	...	...	...	—	...	1
12.	General Paralysis of the Insane, Tabes Dorsalis	...	—	—	...	—	—
13.	Cancer, Malignant Disease	...	...	19	...	...	22
14.	Diabetes	...	...	3	...	...	4
15.	Cerebral Hæmorrhage, etc.	...	...	4	...	...	5
16.	Heart Disease	...	...	35	...	...	15
17.	Aneurysm	...	...	1	...	—	—
18.	Other Circulatory Diseases	...	...	5	...	...	9
19.	Bronchitis	...	...	5	...	...	4
20.	Pneumonia (all forms)	...	...	2	...	...	6
21.	Other Respiratory Diseases	...	...	1	...	—	—
22.	Peptic Ulcer	...	...	3	...	—	—
23.	Diarrhœa, etc. (under 2 years)	...	2	...	...	—	1
24.	Appendicitis	...	—	—	...	—	—
25.	Cirrhosis of Liver	...	—	—	...	—	—
26.	Other Diseases of Liver, etc.	...	—	1	...	—	—
27.	Other Digestive Diseases	...	—	2	...	...	3
28.	Acute and Chronic Nephritis	...	—	3	...	—	—
29.	Puerperal Sepsis	...	—	—	...	—	—
30.	Other Puerperal causes	...	—	—	...	—	—
31.	Congenital Debility, Premature Birth, etc.	—	5	...	...	—	13
32.	Senility	...	—	4	...	...	7
33.	Suicide	...	—	5	...	—	—

	<i>Causes of Death.</i>					<i>M.</i>	<i>F.</i>
34. Other Violence	3	...
35. Other Defined Diseases	7	...
36. Causes ill-defined or unknown	2	...

Special Causes (included in No. 35 above) :—

Smallpox	...	...	...	...	—	...	—
Poliomyelitis	...	...	...	...	—	...	—
Polioencephalitis	...	...	...	...	—	...	—

Live Births :—

Total	...	...	...	...	...	226	...	196
Legitimate	...	...	...	...	...	222	...	191
Illegitimate	...	...	...	...	...	4	...	5

Stillbirths :—

Total	...	...	...	...	...	9	...	9
Legitimate	...	...	...	...	...	8	...	9
Illegitimate	...	...	...	...	...	1	...	—

Deaths of Infants under 1 year :—

Total	...	...	...	...	...	10	...	17
Legitimate	...	...	...	...	...	9	...	16
Illegitimate	...	...	...	...	...	1	...	1

Resident Population	...	...	...	(a)	19,420
				(b)	19,310

The age periods of the Deaths occurring in the separate Wards are as follows :—

WARDS	Under 1 Year	1 and Under 2 Yrs.	2 and Under 5 Yrs.	5 and Under 15 Yrs.	15 and Under 25 Yrs.	25 and Under 45 Yrs.	45 and Under 65 Yrs.	65 Yrs. and Over	TOTAL
NORTH	2	...	...	2	1	5	9	16	35
SOUTH	10	2	1	1	2	9	28	34	87
EAST	9	1	...	3	3	7	19	30	72
WEST	6	1	...	3	1	2	16	20	49
TOTALS	27	4	1	9	7	23	72	100	243

S.D. 55.

BIRTH-RATES, DEATH-RATES, ANALYSIS
OF MORTALITY, MATERNAL DEATH-RATES,
AND CASE-RATES FOR CERTAIN INFECTIOUS
DISEASES IN THE YEAR 1939. }
England and Wales,
London, 126 Great
Towns & 148 Smaller
Towns.

(*Provisional Figures based on Weekly and Quarterly Returns.*)

	England and Wales.	126 County Boroughs and Great Towns, including London.	148 Smaller Towns (Resident Populations 25,000 to 50,000 at 1931 Census).	London. Adminis- trative County.
Rates per 1,000 Population.				
Births—				
Live	15.0	14.8	15.6	12.3
Still	0.59	0.59	0.57	0.44
Deaths—				
All Causes	12.1	12.0	11.2	11.9
{ Typhoid and Paratyphoid Fevers }	0.00	0.00	0.00	0.00
Smallpox...	...	...	...	...
Measles	0.01	0.01	0.01	0.00
Scarlet Fever	0.01	0.00	0.00	0.00
Whooping Cough	0.03	0.03	0.02	0.03
Diphtheria	0.05	0.05	0.04	0.02
Influenza...	0.21	0.19	0.20	0.18
Notifications—				
Smallpox...	0.00	...	...	...
Scarlet Fever	1.89	1.96	1.78	1.53
Diphtheria	1.14	1.21	1.16	0.98
Enteric Fever	0.04	0.03	0.04	0.03
Erysipelas	0.34	0.40	0.31	0.37
Pneumonia	1.02	1.21	0.89	0.99
Rates per 1,000 Live Births.				
Deaths under 1 year of age	50	53	40	48
Deaths from Diarrhoea and Enteritis under 2 years of age	4.6	6.3	3.0	8.2
Maternal Mortality—				
Puerperal Sepsis	0.77	Not available.		
Others	2.16			
Total	2.93			
Rates per 1,000 Total Births (i.e., Live and Still).				
Maternal Mortality—				
Puerperal Sepsis	0.74	Not available.		
Others	2.08			
Total	2.82			
Notifications—				
Puerperal Fever...	14.35	17.26	12.99	3.31
Puerperal Pyrexia				14.22

2.—General Provision of Health Services for the Area.

HOSPITALS.

There are no Hospitals in the district, but the Council have agreements with the County Borough of Bootle for infectious disease.

SMALLPOX.

Cases are removed under the above agreement to Liverpool, a retaining fee of £2 per 1,000 of population being paid.

The OTHER INFECTIOUS DISEASES were removed to Linacre Lane, Bootle, up to 31st August, afterwards to the City of Liverpool and West Lancs. Infectious Disease Hospitals, no retaining fee being paid. The patients are not required to contribute towards the cost of treatment, the accommodation is not limited, therefore quite sufficient.

No action has been taken or advised with the object of securing that the Hospital accommodation is utilised to the best extent, or to shorten the period of stay of uncomplicated cases of Scarlet Fever. Cases have been treated at home where there have been facilities for isolation and suitable nursing.

No new methods have been adopted for the selection of individual cases for which admission to Hospitals is most imperative, nor any new decision as to the admission of cases of diseases such as Measles or Whooping Cough.

TUBERCULOSIS.

This work is administered by the Lancashire County Council, the Tuberculosis Dispensary being situated at 7 Claremont Road, Seaforth, up to the 29th December, afterwards at "Ellesmere," Crosby Road North, Waterloo.

MATERNITY.

There is no Maternity Hospital in the district, but the Liverpool and Bootle Hospitals are available.

MIDWIVES.

There are two Midwives on the County Council Register and practising in the district. There are no Health Visitors, Nurses or Midwives employed by or assisted by the Local Authority.

GENERAL MEDICAL. GENERAL SURGICAL.

These cases are removed to the General Hospitals of Liverpool, Bootle and Waterloo.

CHILDREN.

The above Hospitals are used, also the Liverpool Children's Hospital.

VENEREAL DISEASES.

Patients make their own arrangements with the Liverpool Voluntary Hospitals.

There are no Poor Law or other Institutions in the district.

MATERNITY MORTALITY.

No special arrangements have been made for the investigation of maternal deaths, and cases of Puerperal Fever or Puerperal Pyrexia; this work is carried out by the Lancashire County Council.

AMBULANCE FACILITIES.

(a) For infectious diseases the County Borough of Bootle Motor Ambulance, up to 31st August, 1939, afterwards the City of Liverpool and West Lancs. Infectious Disease Hospitals.

(b) For non-infectious cases, accident and maternity cases the Motor Ambulances of :—Bootle General Hospital, Waterloo General Hospital, Lancashire Public Assistance Committees, Merseyside Hospitals (1d. in the £ Subscribers) Ambulance, and Police, and are quite satisfactory.

CLINIC AND TREATMENT CENTRES.

This work is administered by the Lancashire County Council. The Clinic is situated at 32 Linacre Road, Litherland, and provides for :—

MATERNITY AND CHILD WELFARE.

Consultation and treatment.

SCHOOL CLINIC.

Dental, orthopædic and minor ailments.

The times of opening are as follows :—

Monday	...	...	9.30 a.m. to 12 noon ;	2 to 4 p.m.
Tuesday	...	...	10.0 a.m. to 12 noon ;	2 to 4 p.m.
Wednesday	...	...	9.30 a.m. to 12 noon ;	2 to 4 p.m.
Thursday	...	...	9.15 a.m. to 12.15 p.m ;	2 to 4 p.m.
Friday	...	...	9.0 a.m. to 12 noon.	

There is no Day Nursery, Artificial Light Clinic; or Institutional provision for unmarried mothers, illegitimate infants, or homeless children in the district.

MENTAL TREATMENT ACT, 1930.

An Out-Patient Clinic for the treatment of nervous and mental disorders has been opened at Bootle General Hospital by the Lancashire Mental Hospitals Board. The Clinic is held on Tuesdays, from 3 to 5 p.m.

PROFESSIONAL NURSING IN THE HOME.

One District Nurse (Litherland District Nursing Association) visits on request of the Medical Practitioners by arrangement with the District Nursing Association. There is no financial obligation to the Council.

The Local Authority contributes to the Merseyside Hospitals (1d. in the £ Scheme) in connection with the Council employees, also to the Bootle General Hospital and the Waterloo General Hospital.

HEALTH EDUCATION.

Health Posters have been displayed, and frequently changed, on the late Empire Marketing Boards.

PATHOLOGICAL AND BACTERIOLOGICAL EXAMINATIONS.

Sputum.—These specimens are sent direct to Lancashire County Council Tuberculosis Dispensary, by Medical Practitioners.

Blood, Throat Swabs, etc.—Sent direct by Medical Practitioners to Dr. H. D. Wright, Liverpool University, Bacteriological Department, and to Bootle Infectious Disease Hospital up to 31st August, 1939.

Milk.—Twelve samples were submitted to Dr. H. D. Wright, Liverpool University.

BYE-LAWS, ACTS, ORDERS AND REGULATIONS IN FORCE WITHIN THE DISTRICT.

New Streets and Buildings (1927).

Sufficiency of Space about Buildings.

Hackney Carriages.

Pleasure Grounds.

Regulation of Offensive Trades.

Public Health (Smoke Abatement) Act, 1926.

ACTS ADOPTED BY THE COUNCIL.

Infectious Disease (Prevention) Act, 1890, as amended by Public Health Act, 1936.

Public Health Acts Amendment Act, 1890, Parts I., II., III. and IV., as amended by Public Health Act, 1936.

Private Street Works Act, 1892.

Public Health Acts Amendment Act, 1907, Part I.

Part II. with the exception of Sections 16 and 18.

Part VI.

Part VII., Sections 79, 81 and 86.

Part VIII., Sections 87, 88 and 90.

Part IX.

Part X., Section 95.

Local Government Act, 1894, Section 33 (Order of Local Government Board, dated 26th November, 1895).

Powers of a Parish Council, contained in Sections 8, 9 (as amended by the Small Holdings and Allotments Act, 1907) and 13 of the Act.

Small Dwelling Acquisition Acts, 1899-1923.

Public Health Act, 1925. Part II., as amended by Public Health Act, 1936.

Local Government and Other Officers' Superannuation Act, 1922.

Slaughter of Animals Act, 1933.

ACTS UNDER WHICH POWERS HAVE BEEN DELEGATED BY THE COUNTY COUNCIL TO THIS COUNCIL.

Housing (Rural Workers) Act, 1926.

Local Government Act, 1929, Section 35.

PUBLIC HEALTH OFFICERS OF THE LOCAL AUTHORITY.

Medical Officer of Health—Dr. T. D. Williams, M.B., B.S. (Lond.), M.R.C.S. (Eng.), L.R.C.P. (Lond.).

Part-time Officer, who is also visiting Medical Officer to Seafield House, Mental Defectives.

Deputy Medical Officer of Health—Dr. H. G. St. M. Rees, M.B., B.Ch., B.Sc., M.R.C.S., L.R.C.P. Part-time Officer.

Sanitary Inspector—H. Harrison, M.R.San.I., M.S.I.A.

Certified Royal Sanitary Institute and Sanitary Inspectors Joint Board.

Certified Royal Sanitary Institute, Meat and Other Foods.

Certified Liverpool University, Smoke Abatement and Fuel Economy.

Full-time Officer.

3.—Sanitary Circumstances of the Area.

WATER SUPPLY.

The water supply is obtained from the City of Liverpool, the chief source is Lake Vyrnwy in Wales. The water is excellent in quality, and there is a constant supply for all purposes. The number of houses supplied direct from the public mains is approximately 5,227. All the new houses have been provided with an efficient water supply. There has been no analysis during the year.

DRAINAGE AND SEWAGE.

The sewage (which is dealt with on the combined system) is discharged without treatment into the River Mersey.

A combined scheme for an area comprising portions of the County Borough of Bootle, Borough of Crosby, West Lancashire Rural District Council and Litherland Urban District Council has been suspended owing to the war.

During the year 243 lin. yards of 18 ins., and 200 lin. yds. of 9 ins. diameter sewer were laid, and 279 lin. yds. of 6 ins., 1410 lin. yds. of 4 ins. house drains. The smoke test is applied to all new drains. Sewers and street gullies, etc. are flushed by the Council when necessary.

RIVERS AND STREAMS.

No action has been necessary to check pollution of rivers and streams and no new works have been established to cause pollution.

Closet Accommodation at end of 1939 :—

Privy Middens—

No. of Middens	...	...	...	...	One.
No. of Closets attached to these Middens	...				One.
No. of Pail Closets	...	...	...	...	Nil.
No. of Houses with Fresh Water Closets	...				5,268
No. of Waste Water Closets	...	...	...	...	Nil.

Conversions—

		<i>During year</i>	<i>During 5 years</i>	
		1939	1934—1938	
No. of Privy Closets	To Fresh W.C.'s	Nil	...	Nil
	To Waste W.C.'s	Nil	...	Nil
	To Pails, &c.	Nil	...	Nil
No. of Pail Closets	To Fresh W.C.'s	Nil	...	Nil
	To Waste W.C.'s	Nil	...	Nil
No. of Waste W.C.'s to Fresh W.C.'s	...	Nil	...	Nil
No. of Houses to which Movable Ashbins have been substituted for fixed receptacles	Nil	...	9	

Fresh water closets of the washdown pedestal type are being provided for all new property.

SCAVENGING.

This work is carried out by the Sanitary Authority. Refuse is removed weekly from dwelling-houses and at least twice per week from shops, and is conveyed by motor vehicles to the Council's destructor, situated in Field Lane, Litherland. Orderly carts are used, and litter baskets have also been fixed at various parts of the district. The method adopted is quite satisfactory.

SANITARY INSPECTIONS DURING 1939.

No. of premises visited	...	...	...	...	1,064
Defects or Nuisances—					
No. discovered	...	...	...	...	2,830
No. abated	...	...	...	...	2,814
No. of Notices served—					
Informal	...	...	...	...	940
Statutory	...	...	...	...	18

Legal Proceedings—

In one instance a warning letter was sent by the Solicitor.

OFFICES AND SHOPS ACT, 1934.

No statutory action has been necessary, extra sanitary accommodation, ventilation, and provision for heating has been provided where necessary.

CAMPING SITES.

There were no licences issued for camping sites during the year.

SMOKE ABATEMENT.

The Council have made a Bye-law under the Public Health (Smoke Abatement) Act, 1926. Five observations were taken. The time limit allowed for the emission of black smoke is four minutes per hour.

SWIMMING BATHS AND POOLS.

There are no Swimming Baths or Pools within the district

ERADICATION OF BED BUGS.

One hundred and fifty-one houses were disinfected during the year; 20 Council houses and 131 other houses, by means of spraying with Zaldecide and sulphur candles. Advice is given to tenants by the Sanitary Inspector on taking up tenancy.

SCHOOLS.

The sanitary condition and the water supply of the schools in the district is satisfactory. The schools have been disinfected after the holidays. There was no closing of the schools as a result of infection during the year.

The St. John Ambulance Corps is now established and does its work in a very efficient manner.

PREMISES AND OCCUPATIONS WHICH CAN BE CONTROLLED BY BYE-LAWS OR REGULATIONS.

There are no Common Lodging Houses; Houses let in Lodgings; Tents, Vans or Sheds, or Underground Sleeping Rooms in the district.

OFFENSIVE TRADES.

There are three Tanneries and twelve Fish and Chip Potato premises in the district; these are inspected from time to time.

SLAUGHTER-HOUSES.

There is only one Private Slaughter-house in the district, and this is a Registered Slaughter-house.

RAG FLOCK ACTS, 1911 AND 1928.

There are no premises in the district in which Rag Flock is manufactured or sold.

CANAL BOATS.

Number inspected : None.

4.—Housing.

STATISTICS FOR THE YEAR 1939.

No. of new houses erected during the year 1939 :—

(a) Total (including numbers given separately under (b))	43
(i) By the Local Authority	Nil
(ii) By other Local Authorities	Nil
(iii) By other bodies or persons	43
(b) With State assistance under the Housing Acts—	
(i) By the Local Authority	Nil
(ii) By other bodies or persons	Nil

Financial assistance for purposes of housing accommodation :—

Advances made during 1939 to owner occupiers of houses under the Small Dwellings Acquisition Act, 1899-1925—

	Number	Amount.
In respect of newly built houses ...	5	£2036
In respect of other houses ...	Nil	Nil

No subsidies or advances of any kind have been made in respect of housing.

1. INSPECTION OF DWELLING-HOUSES DURING THE YEAR :—

(1) (a) Total number of dwelling-houses inspected for housing defects (under Public Health or Housing Acts)	1,004
(b) Number of inspections made for the purpose	3,765
(2) (a) Number of dwelling-houses (included under sub-head (1) above) which were inspected and recorded under the Housing Consolidated Regulations, 1925	12
(b) Number of inspections made for the purpose	37
(3) Number of dwelling-houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation	Nil
(4) Number of dwelling-houses (exclusive of those referred to under the preceding sub-head) found not to be in all respects reasonably fit for human habitation	127

2. REMEDY OF DEFECTS WITHOUT SERVICE OF FORMAL NOTICES.

Number of defective dwelling-houses rendered fit in consequence of informal action by the Local Authority or their officers	109
---	-----

3. ACTION UNDER STATUTORY POWERS.

A.—Proceedings under sections 9, 10 and 16 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which notices were served requiring repairs ...	Nil
(2) Number of dwelling-houses which were rendered fit after service of formal notice :—	
(a) By owners	Nil
(b) By Local Authority in default of owners	Nil

B.—Proceedings under Public Health Acts :—

(1) Number of dwelling-houses in respect of which notices were served requiring defects to be remedied	18
(2) Number of dwelling-houses in which defects were remedied after service of formal notices :—	
(a) By owners	18
(b) By Local Authority in default of owners	Nil

C.—Proceedings under Sections 11 and 13 of the Housing Act, 1936 :—

(1) Number of dwelling-houses in respect of which Demolition Orders were made	...	...	Nil
(2) Number of dwelling-houses demolished in pursuance of Demolition Orders	...	...	Nil

D.—Proceedings under Section 12 of the Housing Act, 1936 :—

(1) Number of separate tenements or underground rooms in respect of which Closing Orders were made	...	...	...	...	...	Nil
(2) Number of separate tenements or underground rooms in respect of which Closing Orders were determined, the tenement or room having been rendered fit	...	...	...	...	...	Nil

4. HOUSING ACT, 1936, PART IV.—OVERCROWDING.

Eight families were found to be overcrowded during the year, and were decrowded.

GENERAL OBSERVATIONS.

OVERCROWDING.

The Council's scheme for the erection of 72 houses and bungalows was suspended, owing to the war.

I am of the opinion that a good proportion of the overcrowding was due to the inability to pay the rents of houses erected by private enterprise, and there is still a shortage of houses at reasonable rents for the working classes.

The working class area of the district is situated principally at the West side of the Leeds and Liverpool Canal, the houses are of modern construction, and have been generally built during the last 50 to 60 years. The density of the buildings varies from 38 to 40 houses to the acre.

5.—Inspection and Supervision of Food.

MILK SUPPLY.

The Cowsheds, Dairies, and Milk Shops within the district are periodically inspected, and every effort is being made to produce clean healthy milk.

Twelve samples were obtained from persons selling milk within the district, and sent to Dr. H. D. Wright for Bacteriological examination. "Tubercle Bacilli" was negative in ten of the samples, and positive in two, which were reported to the County Council.

Veterinary inspections are carried out if any animal is suspected, or on a sample of milk showing Tubercle Bacilli.

FOOD AND DRUGS (ADULTERATION) ACT, 1928, ETC.

Samples of food were taken under the above Act by the County Police. The following particulars have been kindly supplied by Superintendent Jackson, Seaforth Division:—

<i>Nature of Sample.</i>	<i>No. of Samples taken.</i>
Milk	47
Arrowroot	1
Borax	1
Jam (Black Currant)	1
Jam (Raspberry)	1
Butter	1
Custard Powder	1
Pepper	2
Lard	1
Cornflower	1
Lemon-Cheese	1
Marmalade	1
Baking Powder	1
Sugar	1
Margarine	1
Tea	2
Coffee	1
Rice	2
Ground Rice	1
Table Jelly	1
Condensed Milk	1
Flour	1
Soup Powder	1
Sauce	1
Sago	1
Liquorice Powder	1
Mustard	1
Pearl Barley	1
Honey	1

No proceedings were instituted in respect of any samples obtained in the district.

MEAT AND OTHER FOODS.

The food exposed for sale or prepared in the district has been examined from time to time. The premises and shops have been kept in a cleanly state.

Unsound meat and other foods have been destroyed in the Destructor.

There are no Public Slaughter-houses, and only one Private Slaughter-house in the district, and this is Registered.

Fifteen samples of milk were submitted to the County Analyst; fourteen were reported "Genuine," and one adulterated, a further sample taken was reported "Genuine."

Notice has been given regularly by the Slaughterers in accordance with the Meat Regulations (1924) of the day and time of killing, and the carcases have been examined for the presence of disease.

SHELL FISH (MOLLUSCAN).

There are no shell fish beds or layings in the district.

BAKEHOUSES.

There are nine Bakehouses in the district; these are in a sanitary condition, clean and well kept; minor repairs have been attended to.

6.—Prevalence of and Control over Infectious Disease.

Two hundred and two cases of infectious diseases were notified, and one hundred and fifty-eight cases were removed to Hospital (see Tables of Notifiable Diseases).

Diphtheria Anti-toxin is supplied by the Bootle Infectious Diseases Hospital. A supply is kept by the Medical Officer of Health. There are no other Vaccines or Sera supplied free to Medical Practitioners.

DIPHTHERIA

Immunization against Diphtheria has been undertaken by the Local Authority; this is being done at the County Clinic, Linacre Road, Litherland, by the Medical Officer of Health every Friday afternoon during school time; 157 cases were completed during the year, each receiving three injections of T.A.F.

SCARLET FEVER.

No return cases were discovered during the year.

MALARIA.

There were no cases notified during the year.

CANCER.

There were 41 deaths from Cancer (19 males and 22 females) during the year, as against 25 in 1938. Private Practitioners and Patients make their own arrangements with the Liverpool City Hospitals for Radium Treatment if necessary.

PREVENTION OF BLINDNESS.

This work is carried out by the Lancashire County Council

TUBERCULOSIS.

No action has been necessary in respect of Tuberculosis employees in the Milk Trade, or to Section 62, Public Health Act 1925, for removal to hospital of infectious persons suffering from Pulmonary Tuberculosis.

GENERAL.

There have been no Primary or Re-Vaccinations carried out by the Medical Officer of Health during the year.

It has not been necessary to close the schools during the year on account of sickness.

There have been no reports made under Article 17 (7) Sanitary Officers (Outside London) Regulations, 1935, which refers to cases of Plague, Cholera, Smallpox, or any serious outbreak of disease in the district.

INFLUENZA.

There was no severe Influenza Epidemic during the year.

There were no other diseases or cases of sickness which required special attention.

DISINFECTION.

There were 568 rooms in 199 houses disinfected during the year by means of Formaldehyde Vapour and Izal (Sprayed) after Infectious Disease, including Tuberculosis, 550 articles were disinfected at the Council's Disinfector (a Washington Lyons Type) situated in the Council's yard, Field Lane.

There is no arrangement for bathing verminous persons, etc.

Disinfection has been carried out at one hundred and fifty one houses.

Notifiable Diseases, 1939.

Number of cases of Infectious Diseases notified, number of deaths from these diseases, number of cases removed to Hospital, and deaths in Hospital during the year 1939:—

NOTIFIABLE DISEASES.	Total Cases at all Ages.	CASES NOTIFIED.													TOTAL DEATHS.	HOSPITAL		
		YEARS.														Total Cases removed to Hospital.	Deaths in Hospital of persons belonging to District	
		Under 1 to 2	1 to 3	2 to 4	3 to 5	4 to 10	5 to 15	10	15 to 20	20 to 35	35 to 45	45 to 65	65 and over					
Smallpox...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Scarlet Fever ...	74	2	2	3	8	11	32	8	4	3	...	1	...	...	50	...	...
*Diphtheria, including Membranous Croup	87	...	1	3	8	11	45	11	3	5	...	...	...	3	*103	3	
Enteric Fever, including Paratyphoid ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Measles, excluding German Measles...	2	1	...	1	...	...	...	...	...	...	...	...	...	...	...	...	...
Whooping Cough ...	1	1	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Primary Pneumonia	21	4	1	1	2	...	...	...	4	2	6	1	...	...	...	...	...
Acute Influenzal Pneumonia	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Puerperal Pyrexia ...	4	...	...	...	...	...	...	...	3	1	...	...	...	...	...	...	...
Cerebro-Spinal Fever ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Poliomyelitis ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Acute Polio-encephalitis	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Encephalitis Lethargica	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Dysentry... ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Ophthalmia Neonatorum	3	3	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Erysipelas ...	10	1	...	...	...	...	...	...	2	1	6	...	...	4	...	...	...
Malaria—																		
Contracted in this C'try	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Abroad ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Any other disease notifi- able in district, e.g.—	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Chicken Pox ...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Any other disease...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Anthrax ...	Nil	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
TOTALS ...	202	12	4	8	18	22	77	19	7	17	4	13	1	3	157	3		

*A number of cases were removed to hospital as Diphtheria and later certified as Tonsilitis or not infectious, and were removed from the register.

TUBERCULOSIS.

NEW CASES AND MORTALITY DURING 1939 (Local Register).

AGE PERIODS.	NEW CASES.				DEATHS.			
	Respiratory.		Non-Respiratory.		Respiratory.		Non-Respiratory.	
	M	F	M	F	M	F	M	F
Years								
0—1
1—5	1	...	3	...	1	...
5—10	2	1	...	...
10—15	1	...	...	...	...	...
15—20	1	5	...	...	4	...
20—25	1	...	1	1	1	...
25—35	5	1	...	2	4	...
35—45	5	1	1	4	1	...
45—55	1	1	...	1	1	...
55—65	5	...	...	3	...	...
65 and upwards	...	1	...	...	...	...	...	...
TOTALS	...	21	8	7	2	11	11	2
		29		9		22		2

TUBERCULOSIS NOTIFIED DURING THE YEAR:—

OCCUPATION.	Pulmonary		Non-Pulmonary	
	Males.	Females.	Males.	Females.
Under School Age...	...	1	...	3
School Children	...	1	...	2
Housewives	2	...
Clerks	...	3	1	...
Football Pools Clerk	1	...
Flight Rigger, R.A.F.	1	...
Labourers	...	2	...	...
Tanner	...	1	...	...
Cinema Operator	...	1	...	...
Engineer	1	...
Grocer	...	1	...	...
Seafaring	...	1	...	...
Retired	...	1	...	...
Dye-Worker	1	...
Chef (Retired)	...	1	...	...
Bakehouse Worker	1	...
Carpenter	...	1	...	...
Checker	...	1	...	...
Machinists	2	...
Hawker	...	1	...	...
Cotton Worker	...	1	...	...
Boiler hand (Laundry)	...	1	...	...
Dock Labourer	...	1	...	...
Painters	...	2	...	...
TOTALS	...	21	8	7
				2

The total number of Deaths occurring in the separate Wards are as follows:—

		NORTH	SOUTH	EAST	WEST	TOTAL
Respiratory	...	3	11	5	3	22
Non-Respiratory	...	...	1	...	1	2
TOTALS	...	3	12	5	4	24

The rate of non-notified Tuberculosis deaths to total Tuberculosis deaths was two to thirty-eight.

There is no evidence of excessive incidence of, or mortality from Tuberculosis in any particular occupation in the district.

No action has been taken or necessary in respect of persons suffering from Pulmonary Tuberculosis, employed in the Milk Trade, or for the compulsory removal to hospital of persons suffering from Tuberculosis.

7.—Maternity and Child Welfare.

The whole of this work is carried out by the Lancashire County Council at 32 Linacre Road, Litherland.

OPHTHALMIA NEONATORUM.

This work is carried out by the Lancashire County Council, there were three cases notified during the year.

I again wish to thank the Sanitary Inspector, Mr. H. Harrison, for his valued assistance, and to tender my thanks to the various members of the Council for considering advice given by me.

Your obedient Servant,

T. D. WILLIAMS,

Medical Officer of Health.

The Urban District Council of Litherland.

ANNUAL REPORT OF THE Sanitary Inspector. 1939.

4th September, 1940.

To THE CHAIRMAN AND MEMBERS
OF THE HEALTH COMMITTEE.

GENTLEMEN,

I desire, before submitting my formal Report, to associate myself very sincerely with the expressions of sympathy and appreciation of the late Medical Officer of Health, Dr. T. D. Williams, contained in the letter of the Deputy Medical Officer of Health (Dr. Rees).

I was associated with the late Dr. Williams for many years in Public Health work in which he was keenly interested and very helpful in all matters appertaining to the welfare of the district.

I beg to submit the Annual Report of the work executed in the Health Department during the past year, together with the particulars of the nuisances abated and improvements effected thereby.

INSPECTION OF THE DISTRICT, NOTICES SERVED, &c.

During the year 3,803 inspections and re-inspections were made in reference to complaints and housing.

It was necessary in numerous instances, however, to interview and write to the persons concerned, drawing their attention to notices which had not received prompt attention.

There were 940 Preliminary Notices and letters, etc., referring to nuisances and general dilapidations served, and in due course complied with.

In eighteen instances Abatement Notices were served, after which the work was completed to my satisfaction. In one instance the work was completed after a warning letter had been sent by the Solicitor.

INSPECTION OF THE FOOD SUPPLY.—The food exposed for sale in the district has been inspected from time to time, and in many instances improved conditions have been obtained. Meat shops and food preparing places are inspected periodically. All animals slaughtered in the district are examined, also all country dressed pigs brought in to butchers shops. Diseased and unsound meat or food is disposed of in the destructor.

SLAUGHTER-HOUSES.—There is one "private" slaughter-house within the district, the number of cattle, calves, sheep and pigs slaughtered and inspected in the Urban District during the year is as follows :—

INSPECTION OF MEAT :—

Cattle		Calves		Sheep & Lambs		Pigs	
Killed	Inspec.	Killed	Inspec.	Killed	Inspec.	Killed	Inspec.
67	67	16	16	493	493	259	259

Country dressed pigs brought to shops and inspected.....47

Country dressed calves brought to shops and inspected...Nil

Meat condemned as unfit for human food :—

Tuberculosis carcases and parts ... 9 cwts. 1 qr. 1 lb.

Diseased, unsound and unwhole-
some meat (other than above) ... 1 cwt. — 9 lb.

10 cwts. 1 qr. 10 lb.

A proportion of the meat supply is obtained from the Birkenhead and Liverpool lairages, and from the adjacent Rural District.

BAKEHOUSES.—Number on register, 9. The premises are all in a satisfactory condition and are well conducted, several minor defects have been remedied, after notifying the owners concerned, six notices were served with respect to cleansing and other defects, these were all complied with.

DAIRIES, COWSHEDS AND MILKSHOPS.—Number of cowkeepers on register, 3; number of milk shops (other than cowkeepers), 9. 14 visits were made during the year. On the whole a fairly high standard of cleanliness is maintained, and the health of the cattle is satisfactory.

Four supplementary licenses were issued to retail:—

- (1) "Tuberculin Tested" Milk (two).
- (2) "Accredited" Milk (two).
- (3) "Pasteurised" Milk (one).

Also one Bottling Licence for "Accredited" Milk was issued.

MILK SAMPLES.—Twelve samples were taken for the discovery of Tuberculosis among cattle; ten were "negative" and two positive, which were reported to the County Council. Fifteen samples of milk were also taken under the Sale of Food and Drugs (Adulteration) Act, and fourteen were reported "genuine," and one adulterated; a further sample was taken, and reported "genuine."

There are approximately 45 cows kept in the district.

MILK IN SCHOOLS.—Six samples were taken for the County Council from the schools, for the discovery of Tuberculosis amongst cattle.

ICE CREAM PREMISES.—Four visits were paid to places where Ice Cream was manufactured or stored, and instructions given where necessary re storage and cleansing of utensils.

FISH FRYING SHOPS.—There are 12 fish and chip potato vendors established within the district. The premises have been visited from time to time and are maintained in a generally satisfactory condition.

ASHPITS TO BIN SYSTEM.—The total number of conversions during the five years 1934-38 is 9. The approximate number of movable ashbins at present in use in the district is **5,344**.

Four disused open ashpits were also dealt with. These ashpits were surrounded by a high wall, the only means of access being through a small door at the rear of the W.C. and behind

the flush-pipe. These were being used as a dump for any jobbers in the district and were also rat infested. The ashpits were opened out by means of doorways in two cases and converted into coal-houses, the other two into open yard space.

ERADICATION OF BED BUGS.—One hundred and fifty-one houses were disinfected during the year by means of spraying with Zaldecide, and sulphur candles ; the furniture was also sprayed with Zaldecide were necessary. Clothing and bedding were taken to the Council's Steam Disinfector. The whole of this work is carried out by the Council's workmen.

FLEAS.—Three houses were infested with fleas, and five with crickets and were treated with Zaldecide successfully.

RATS AND MICE DESTRUCTION ACT, 1919—146 rats have been destroyed during the year by rat catchers with dogs and ferrets.

In several cases the cause was due to defective drains, and in each case the drains were repaired and the possibility of further infestation removed.

SMOKE ABATEMENT.—Five observations were taken of Factory chimneys during the year, no legal proceedings were necessary.

CARAVANS.—There were no caravans in the district during the year.

ADMINISTRATION OF THE FACTORY & WORKSHOP
ACT, 1901 & 1937,
IN CONNECTION WITH
FACTORIES & OTHER PREMISES.

NUMBER OF INSPECTIONS AND NATURE OF DEFECTS.

PREMISES	Number of		
	Inspections	Written Notices	Prosecutions
Factories (with mechanical power) ...	157	2	Nil
Factories (without mechanical power)	92	3	Nil
Other Premises	8	1	Nil
	257	6	Nil

DEFECTS FOUND IN FACTORIES, WORKSHOPS AND WORKPLACES.

PARTICULARS	Number of Defects			
	Found	Remedied	Referred to H.M. Inspector	No. of Prosecutions
Want of Cleanliness	1	1	...	...
Inadequate Ventilation	1	1	...	...
Ineffective Drainage of floors ...	6	6	...	...
Sanitary accommodation—				
Insufficient, Unsuitable or } Defective } Separation of Sexes ... } <td>6</td> <td>6</td> <td>...</td> <td>...</td>	6	6
Offences under Factory & W'shops Act	...	...	...	...
Illegal occupation of underground bakeries ... ... ... ...	...	...	...	...
Breach of sanitary requirements for bakehouses ... ... ...	...	...	...	...
Other Offences	2	2	...	...
	15	15	...	...

SUPERVISION OF INFECTIOUS DISEASES.—One hundred and ninety-one visits were paid to houses where Infectious Diseases had occurred, and the necessary enquiries made into each case, also a sanitary survey was made of the premises, notices served where necessary for various defects, and work carried out.

Notices to strip and cleanse the walls and ceilings, where necessary, were served, and 44 re-visits were paid to ensure that the work was carried out. The schools have been thoroughly disinfected thrice during the year. The head teachers have been notified regarding children attending the schools where infectious disease had occurred, also after disinfection.

SUMMARY OF WORK OF DEPARTMENT

Number of houses inspected ...	...	...	...	...	1005
Number of re-inspections to houses ...	...	...	...	...	2798
Number of visits and re-visits to factories and workshops ...	...	257			
Number of visits to bakehouses ...	...	...	...	...	14
Number of visits to cowsheds, dairies, and milkshops ...	...	34			
Number of preliminary notices served and letters, etc. ...	...	1039			
Number of abatement notices served ...	...	...	...	...	18
Number of visits to offensive trades ...	...	...	...	...	2
Samples of milk submitted for bacteriological examination		12			
Samples of milk taken under Sale of Food and Drugs Act		15			
Samples of milk from schools ...	...	...	...	...	6
Cases of infectious disease visited and reported upon		191			
Number of houses fumigated ...	...	...	...	...	199
Number of rooms fumigated ...	...	...	...	...	568
Number of articles fumigated ...	...	...	...	...	550
Number of verminous houses disinfested ...	...	...	...	...	151
Number of visits to fish frying shops ...	...	...	...	...	27
Number of visits to butchers' shops and food preparing places	...	...	...	...	229
Number of visits to slaughter-house ...	...	...	...	...	137
Number of visits to schools ...	...	...	...	...	56
Number of visits under Rat and Mice Destruction Act		12			
Number of visits to stable premises and garages ...	...	...	...	...	44
Number of visits to ice cream premises ...	...	...	...	...	3
Number of visits re Diphtheria Immunisation		72			
Number of smoke observations taken ...	...	...	...	...	5
Number of visits to Tents, Vans and Sheds ...	...	...	...	...	3
Rent books inspected ...	...	...	...	...	450
Number of visits to Wet Fish Shops ...	...	...	...	...	2
Number of visits and re-visits under Shops Act		114			
Number of visits and re-visits to offices ...	...	...	...	...	18
Number of visits to hotels ...	...	...	...	...	4

DETAILS OF SANITARY IMPROVEMENTS AND
ABATEMENT OF NUISANCES.

Drains tested, repaired or renewed ...	...	...	...	305
Defective w.c. cisterns, pans, traps, water supply, etc. ...	...	...	320	
Staircases repaired ...	...	...	...	20
Defective water supply to houses, etc., new taps, burst pipes, etc. ...	...	...	291	
Defective floors in dwelling-houses, etc. ...	...	...	126	
Offensive accumulations ...	...	...	...	65
New ashbins provided ...	...	...	...	58
Insanitary yard surfaces ...	...	...	...	205
Walls and chimneys pointed and repaired ...	...	...	264	
Defective eaves, gutters, r.w. pipes, etc. ...	...	...	150	
New back boilers, storage cisterns and cylinders provided or repaired ...	...	...	96	
Defective skirting boards repaired ...	...	...	11	
Plasterwork, limewashing and cleansing after infectious disease ...	...	...	166	
Repairs to window sashes and frames, and lighting and ventilation improved ...	...	...	169	
Leaky roofs (dwelling houses), etc. ...	...	...	219	
New doors and repairs to doors ...	...	...	243	
Disused Ashpits abolished ...	...	...	...	4
Defective wash boilers and structures ...	...	...	12	
New sinks or other sanitary fittings ...	...	...	104	
Defective fire ranges, jambs, and flues ...	...	...	126	
Defective drainer boards ...	...	...	14	

OFFICES AND SHOPS ACTS 1934.

Repairs or Renewals to W.C.'s ...	...	...	...	...	6
Plasterwork and Limewashing ...	...	...	...	...	5
Doors repaired or renewed ...	...	...	...	...	1
New Sinks and other sanitary fittings ...	...	...	...	...	5
Yards and Floors repaired ...	...	...	...	...	5
Drains tested, repaired or renewed ...	...	...	...	...	4
Walls and chimneys repaired ...	...	...	...	...	2
Seats provided ...	...	...	...	...	1
Heating, Stoves, etc., provided ...	...	...	...	...	6
Offensive accumulators ...	...	...	...	...	3
Forms provided under Shops Act ...	...	...	...	...	10

I am, Gentlemen,

Your obedient Servant,

H. HARRISON, M.R.San.I., M.S.I.A.,

Sanitary Inspector.

